

1 mktnghfkdfawkkcllgasvgallvgcspheetnevalklnyh61 lrpafqysd<sup>ni</sup>akeyenkfknqtlkveqilqnqgykvinvdssdkddfsfaqkkegyla  
121 vamngeivlrpdprtki<sup>qk</sup>sep<sup>gllfst</sup>gldkme<sup>gvlipagfvkvtilep</sup>msgesldsf  
181 tmd<sup>l</sup>seldiqekflk<sup>tt</sup>hsshsgglvstmv<sup>kgtdnsndaik</sup>salnkifgsimqeidkklt  
241 <sup>q</sup>knlesyqkdakelkgkrnr

FIG. 1

<i>Streptococcus pneumoniae</i> pspA homologous sequence ->	x x x I D K x x T Q K x L E x x x x D A x E L x x x x x
<i>H. pylori</i> flagellar sheath adhesion protein sequence ->	M Q E I D K K L T Q K N L E S Y Q K D A K E L K G K R N
<i>Mycoplasma hominis</i> Lp1 homologous sequence ->	x x E I x K K L x x x x x E S x x K D A K E L x G x R N

FIG 2a

*Streptococcus pneumoniae* pspA homologous sequence ->

*H. pylori* flagellar sheath adhesion protein sequence ->

*Mycoplasma hominis* Lp1 homologous sequence ->

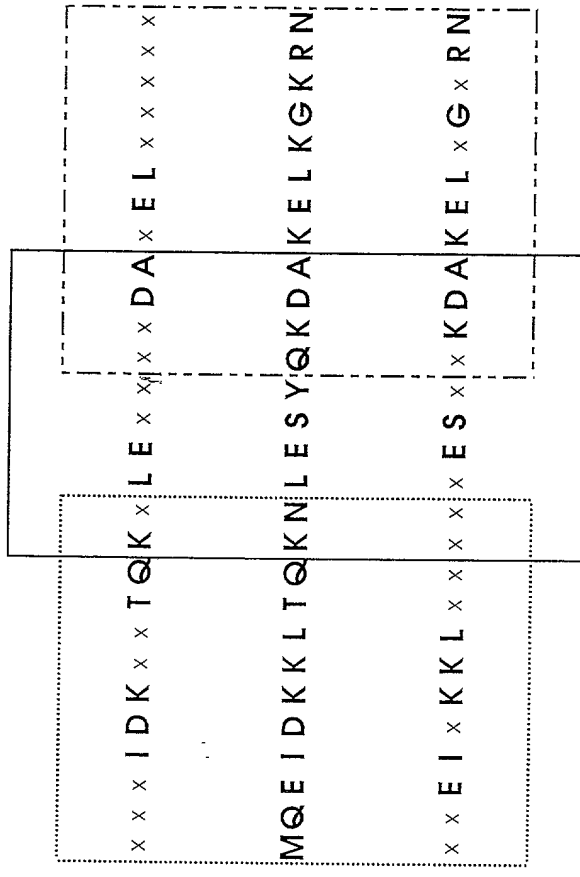


Figure 3 Plot

Figure 4 Plot

Figure 5 Plot

FIG 2b

Fig. 3

*H. pylori* Peptide MQEIDKKLTQKN Test Data

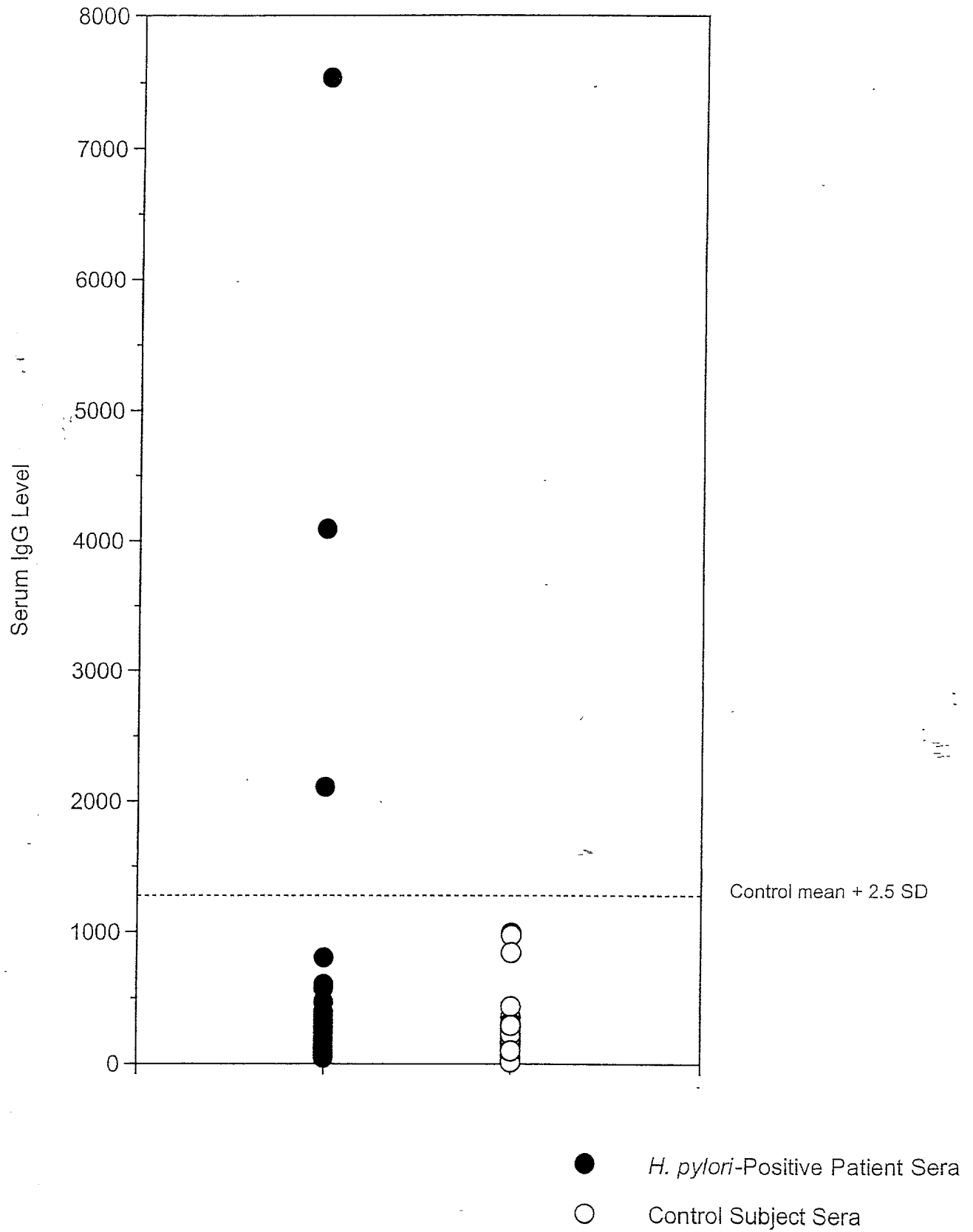
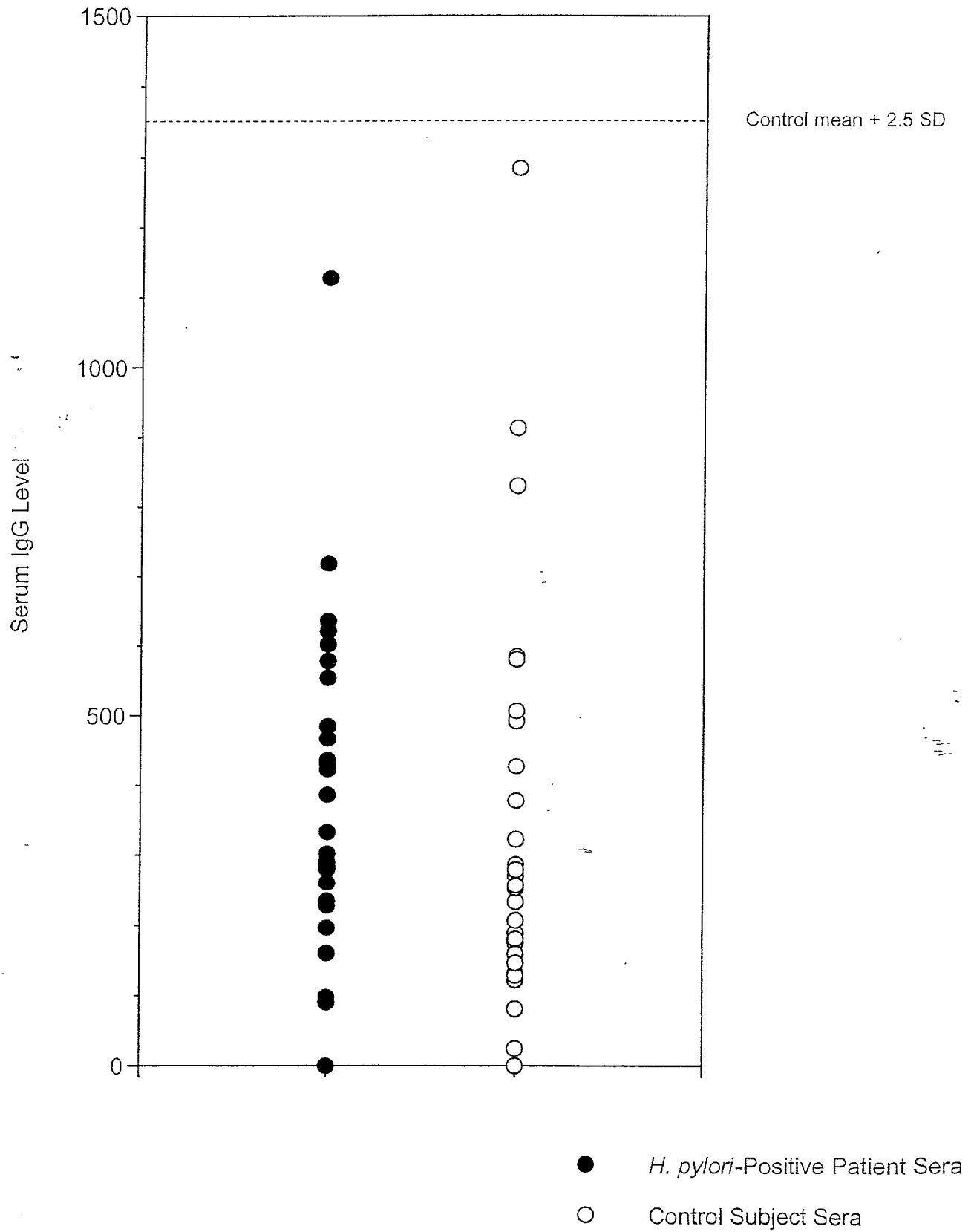


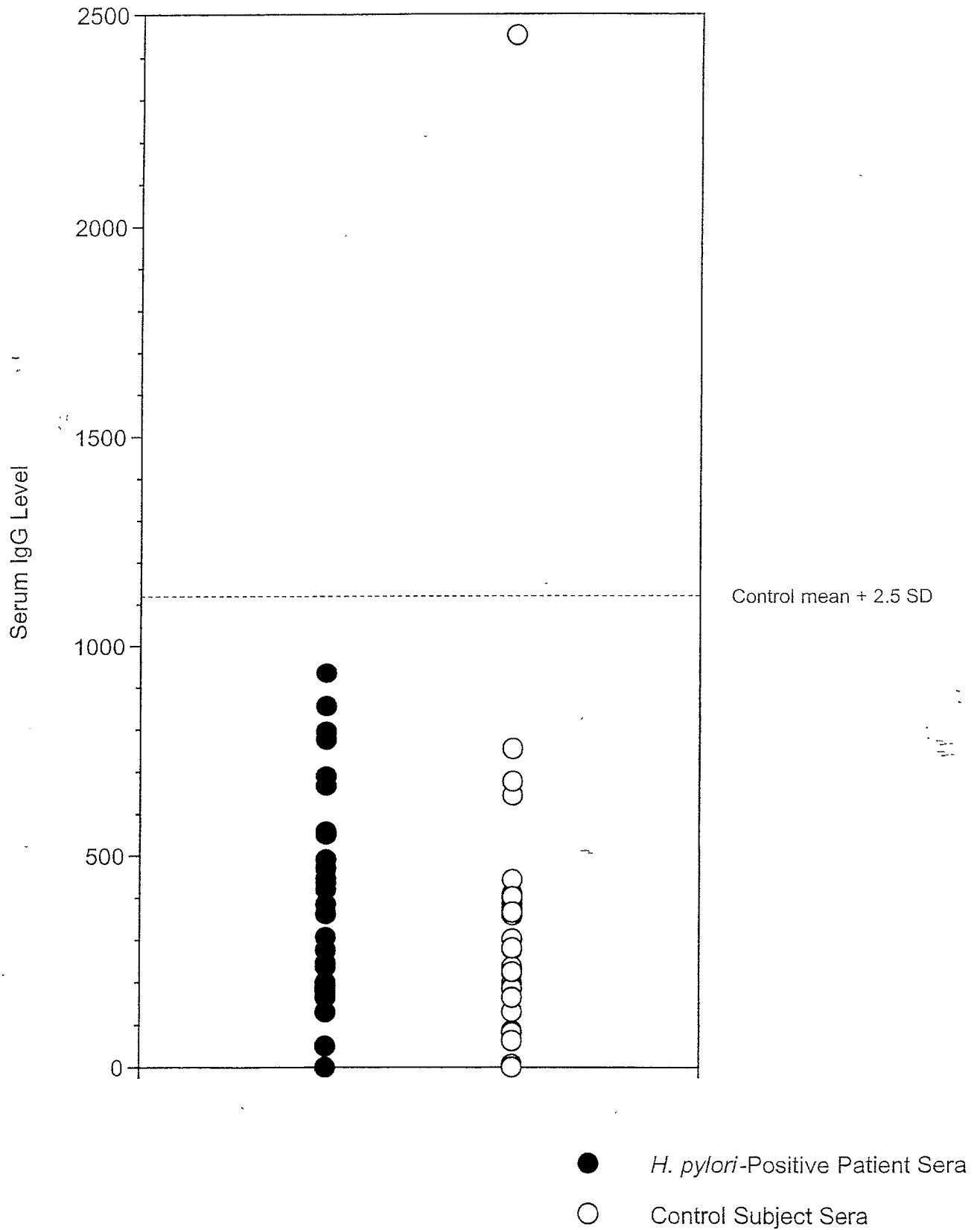
Fig 4

*H. pylori* Peptide KNLESYQKDA Data



# Fig 5

*H. pylori* Peptide QKDAKELKGKRN Data



# FIG. 6

Parent <i>H. pylori</i> Protein	Functionally Specific Peptide Antigens
Adhesin 2	LPALKENNGKV
Iron-Regulated Outer Membrane Protein	VTTKGERTFEYNN
Lipid A Disaccharide Synthase	LEQNEGFKRRV
LPP20 Lipoprotein	TVDASGKRSISG
Flagellar Sheath Adhesin	MQEIDKKLTQKN
Outer Membrane Protein 1	NTRYDRWAKD
Outer Membrane Protein 19	INGDKRTGGKPNTPE
Outer Membrane Porin 1	SSSEYEKLKA
Outer Membrane Porin 2	KEQIIIEAKGPDV
Vacuolating Cytotoxin	QQTHRKINRP
	KQAEEANKTP
	KTPDKPDKVW

FIG. 7a

SCANNED, #2

### Number of IgG-Positive Results On Individual Peptide Assays

[illegible]



776

### Number of IgG-Positive Results On Individual Peptide Assays

[illegible]

**Human Type II CollagenFunctionally Specific Peptide Antigens**

QGQDVRQPG

GRDGE

GGFDEKAGGA

WPGLPGA

GLPGTPGTDGPKGASGPAGPPGAQGPPG

GPEGAPGKDGGGRGLT

GEVGPPGPAGSAGARGAP

TGPKGARGAQGPPGATGFPGAA

NGNPGPPGPPGPS

LQGPAGPP

AVGAPGAPGPPGSPGPAGPTGKQGD

KGHRGFTGLQ

IGPPGPRGRSGETGPAGPPGN

Fig 8